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United States
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Northeastern
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**Expertise in
Primary and Secondary
Solid-Wood Processing
Available from
State, Federal, and
University Sources**

Jan Wiedenbeck
USDA Forest Service
Northeastern Research Station
Princeton, West Virginia

The following list includes USDA Forest Service, state, and University personnel with expertise in primary and secondary solid-wood processing, particularly with respect to lumber sawing and cut-up operations, and issues related to product yield, mill productivity, and markets. Experts within these three groups are listed by region: Northeast, Mid-Atlantic, South, Midwest, and West. The Forest Service considers all public inquiries to be high priority regardless of the home state of the customer making the inquiry. State and university experts may be more restricted in their ability to assist out-of-state customers.

Many of the experts listed have published information about their programs as well as study results on the Internet. These publications usually can be accessed by entering their name and institution into your favorite search engine.

The listing includes six quick-find numerical codes that correspond to various areas of expertise: (1) primary processing, (2) secondary processing, (3) markets, sales, and supply, (4) machine and tooling, (5) drying, and (6) residues and recycling.

This listing is current as of October 2002. To obtain similar information related to forestry, rural development, and forest products industry assistance providers, consult the **Forest Products Conservation and Recycling Personnel Directory** (2002) published by the Technology Marketing Unit of the Forest Products Laboratory, Madison, WI. You can request a copy by calling 608-231-9504, or download the directory from: www.fpl.fs.fed.us/tmu/welcome.htm (select **Techlines** and **Publications** and then **Technology Marketing Unit's Special Reports**).

FOREST SERVICE – NORTHEAST

- **Dean Huber**, Forest Products Specialist
USDA Forest Service, Durham, NH
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Areas of Expertise: **1,5,6**

Hardwood and softwood lumber drying, primary processing, residue utilization

FOREST SERVICE – MID-ATLANTIC

- **Delton Alderman**, Forest Products Scientist
USDA Forest Service, Princeton, WV
Phone: 304-431-2734 Fax: 304-431-2772
Email: dalderman@fs.fed.us

Areas of Expertise: **1,3**

Underutilized species distribution and market development, veneer log-quality specifications, quality and markets for white pine

- **Phil Araman**, Project Leader
USDA Forest Service, Blacksburg, VA
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Areas of Expertise: **1,2,3,4,6**

Domestic and international markets for dimension parts, scanning systems, rough-mill yield, pallet production, wood recycling

- **John Baumgras**, Project Leader
USDA Forest Service, Princeton, WV
Phone: 304-431-2701 Fax: 304-431-2772
Email: jbaumgras@fs.fed.us

Areas of Expertise: **1**

Log bucking and merchandising, log-quality requirements for different industry sectors, timber management and wood quality

- **Matt Bumgardner**, Forest Products Scientist
USDA Forest Service, Princeton, WV
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Areas of Expertise: **3**

Solid-wood markets, low-grade log distribution and markets, character-marked furniture markets

- **Ed Cesa**, Forest Products Specialist
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Areas of Expertise: **1,3,6**

Forest products markets, wood in transportation, utilization of urban trees

- **Bruce Hansen**, Project Leader
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Areas of Expertise: **3,6**

Hardwood export data and markets, financial feasibility of capital investments, business plan development, industrial timber-products output

- **Bill Luppold**, Project Leader
USDA Forest Service, Princeton, WV
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Areas of Expertise: **1,3**

Hardwood lumber markets and pricing, market impacts on resource distribution, timber and product-quality relationships

- **Ed Thomas**, Computer Scientist
USDA Forest Service, Princeton, WV
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Areas of Expertise: **1,2,4**

Rough-mill yield simulation, optimizing saws and systems, log scanning

- **Jan Wiedenbeck**, Forest Products Scientist
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Areas of Expertise: **1,2**

Rough-mill yield, sawmilling efficiency/recovery,
log quality

FOREST SERVICE – SOUTH

- **Alex Clark**, Forest Products Scientist
USDA Forest Service, Athens, GA
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Areas of Expertise: **1**

Growth and yield of southern yellow pine

FOREST SERVICE – MIDWEST

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Areas of Expertise: **2,3,6**

Sawmill production of green dimension, business
plan development, marketing, recycling of urban
wood, certified forest products

- **Rusty Damm**, Forest Products Specialist
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Areas of Expertise: **1,2,3,6**

Sawmill analysis, lumber-size control, wood
products markets

- **Bill Simpson**, Forest Products Scientist
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Areas of Expertise: **5**

Hardwood and softwood lumber-drying
schedules, heat treatment of wood products

FOREST SERVICE – WEST

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Areas of Expertise: 1

Wood quality, softwood lumber manufacturing, small-log utilization, technology transfer

- **Geoffrey Donovan**, Research Economist
USDA Forest Service, Sitka, AK
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Areas of Expertise: 3

Forest products value-added markets, markets for alternative lumber grades and species

- **Ken Kilborn**, Team Leader
USDA Forest Service, Sitka, AK
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Areas of Expertise: 1,2,3,5,6

Sawmilling, lumber drying, economic development, value-added markets

- **Eini Lowell**, Forest Products Scientist
USDA Forest Service, Portland, OR
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Areas of Expertise: 1,2

Western hardwood sawmill recovery, value-added manufacturing systems, small-log utilization

- **Dave Nicholls**, Forest Products Technologist
USDA Forest Service, Sitka, AK
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Areas of Expertise: 1,2,3,6

Value-added markets and processing systems for underutilized species/resources, residue utilization in energy markets

UNIVERSITY/STATE – NORTHEAST

- **Dan Bousquet**, Extension Specialist
University of Vermont, St. Johnsbury
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Areas of Expertise: **1,3,5**

Primary wood processing, short-log processing, value-added opportunities, lumber handling and drying

- **Gordon Boyce**, Wood Utilization Specialist
Massachusetts Department of Environmental Management, Amherst
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Areas of Expertise: **1,3,6**

Wood biomass for energy, small-log utilization, primary processing, wood markets, low-impact logging

- **Sloane Crawford**, Wood Utilization Specialist
New York Department of Environmental Conservation, Albany
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Areas of Expertise: **1,3,6**

Primary hardwood processing and markets, resource trends

- **Jack Dwyer**, Chief of Marketing and Utilization
Vermont Department of Forests, Parks & Recreation, Waterbury
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Areas of Expertise: **1,3,6**

Sawmilling, log grading, hardwood markets, residue markets, wood energy

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Areas of Expertise: 1
Primary wood processing

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Areas of Expertise: 1,5
Hardwood sawmill operations and economics

- **Peter Lammert**, Wood Utilization Specialist
Maine Forest Service, Augusta
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Areas of Expertise: 1,2,3,5,6
Primary wood processing

- **James Philp**, Extension Specialist
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Areas of Expertise: 1,4
Woodworking machinery, wood surface quality, knife angles and saw blades, lumber drying, portable sawmills

- **Bob Rice**, Professor
University of Maine, Orono, ME
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Areas of Expertise: 3,4,5
Solid wood markets, scanning, nondestructive evaluation, quality control systems, lumber drying

- **Sarah Smith**, Extension Specialist
University of New Hampshire, Durham
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Areas of Expertise: **1,2,3**

Hardwood lumber grading and yields, markets for different species

- **Nick Weidhaas**, Director
Forest & Wood Products Development Center
Gardner, MA
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Areas of Expertise: **2,4**

Rough-mill equipment, yield, and production costs; optimizing saws

UNIVERSITY/STATE – MID-ATLANTIC

- **Brian Bond**, Extension Specialist
Virginia Tech, Blacksburg
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Areas of Expertise: **1,5**

Scanning systems, optimization, primary hardwood processing, process control, hardwood lumber drying, log grades

- **Earl Kline**, Professor
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Areas of Expertise: **1,2,4**

Sawmill and rough-mill scanning and control systems, optimization equipment and software, process economics

- **Judd Michael**, Associate Professor
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Areas of Expertise: **3**

Forest products manufacturing productivity, safety in secondary wood products manufacturing

- **John Pletcher**, Forest Products Specialist
Pennsylvania Technical Assistance Program,
University Park
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Areas of Expertise: **1,2,3**

Secondary processing, sawmill and rough-mill yield, residue markets, adhesives, finishing systems

- **Paul Schreffler**, Training Specialist
West Virginia Wood Technology Center, Elkins
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Areas of Expertise: **2,4**

Secondary manufacturing machinery, CAD/CAM programming, CNC machinery, machinery costs and production efficiency

- **Bob Smith**, Associate Professor
Virginia Tech, Blacksburg
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Areas of Expertise: **1,3,6**

Wood products sales and marketing, pallet industry supply and demand, primary processing industry, residue markets

- **Paul Smith**, Professor
Pennsylvania State University, University Park
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Areas of Expertise: **3**

Export markets for components and furniture, forest products marketing research

- **Mark White**, Professor
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Areas of Expertise: **1**

Primary hardwood processing, pallet design and manufacture

UNIVERSITY/STATE – SOUTH

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Areas of Expertise: **2,3,6**

Rough-mill yield, residue markets, wood recycling, competitiveness of the furniture industry

- **Charles Clement**, Research Associate
Tennessee Forest Products Center, Knoxville
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Areas of Expertise: **2**

Rough-mill yield

- **Joe Denig**, Extension Specialist
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Areas of Expertise: **1,4,5,6**

Lumber drying, primary processing, sawing accuracy, equipment/technology justification

- **Rick Lemaster**, Research Associate
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Areas of Expertise: **4**

Tooling, surface quality, ultrasound-based quality assessment

- **Phil Mitchell**, Extension Specialist
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Areas of Expertise: **2,5**

Rough-mill equipment and yield, hardwood lumber drying, solid-wood gluing, wood-machining quality

- **Dan Seale**, Professor
Mississippi State University, Starkville
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Areas of Expertise: **2,3**

Production economics, equipment justification, quality assurance, markets

- **Todd Shupe**, Extension Specialist
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Areas of Expertise: **3,6**

Wood products marketing and processing

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Areas of Expertise: **1,2,4**

Crosscut versus rip analysis, scanning systems, simulation, sawmill machinery and recovery

- **John Stewart**, Professor
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Areas of Expertise: **4**

Tooling, machine design and vibration

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Areas of Expertise: **3**

Secondary industry demographics and competitiveness factors, barcoding and production information systems, e-business

- **Bob Wright**, Wood Utilization Specialist
Tennessee Division of Forestry, Nashville
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Areas of Expertise: **1,5,6**

Log and lumber grading, primary hardwood processing

- **Tim Young**, Research Associate
Tennessee Forest Products Center, Knoxville
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Areas of Expertise: **1,2**

Statistical process control

UNIVERSITY/STATE – MIDWEST

- **Scott Bowe**, Extension Specialist
University of Wisconsin, Madison
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Areas of Expertise: **1,3**

Technology adoption, hardwood markets and marketing, primary processing

- **Jim Bowyer**, Professor
University of Minnesota, St. Paul
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Areas of Expertise: **2,3,6**

Forest resource utilization trends, markets, certified wood products, life-cycle analysis

- **Brian Bradshaw**, Program Leader
Natural Resources Research Institute, Duluth
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Email: bbrashaw@sage.nrri.umn.edu

Areas of Expertise: **1,2**

Low-grade lumber utilization in structural applications, nondestructive evaluation of trees, logs, lumber, and timber bridges

- **Dan Cassens**, Extension Specialist
Purdue University, West Lafayette, IN
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Areas of Expertise: **1,4,5**

Primary processing, panel processing, lumber and wood properties, lumber cut-up, portable sawmills

- **Pat Donahue**, Program Leader
Natural Resources Research Institute, Duluth
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Areas of Expertise: **2**

Dry-end veneer processing, millwork, casegoods, and flooring production, process improvement/control

- **Carl Eckelman**, Professor
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Areas of Expertise: **2,4**

Furniture design, manufacturing, and testing

- **Carroll Fackler**, Extension Associate
University of Kentucky, Quicksand
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Email: cfackler@ca.uky.edu

Areas of Expertise: **4,5**

Lumber drying, wood machining and machining defects, wood surface quality

- **Joey Gallion**, Wood Utilization Specialist
Indiana Division of Forestry, Brownstown
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Areas of Expertise: **1,3**

Primary hardwood processing/sawmills

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Areas of Expertise: 2

Rough-mill yield and processing simulation,
electronic information and data systems,
secondary industry ergonomics

- **Bob Govett**, Extension Specialist
University of Wisconsin, Stephens Point
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Areas of Expertise: 1,4

Primary processing, portable sawmills, processing
economics and finance

- **Sarah Gurney**, Marketing Extension Specialist
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Areas of Expertise: 3

Wood products markets and marketing, value-
added wood products

- **Larry Lowe**, Section Supervisor
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Areas of Expertise: 1,2,3,6

Primary hardwood processing, timber products
output, residue markets, logging compliance

- **Terry Mace**, Forest Products Specialist
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Madison
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Areas of Expertise: 1,2,3,6

Primary and secondary wood products markets

- **Ron Miller**, Research Associate
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Areas of Expertise: 1,6

Primary wood products production, residue utilization and markets

- **Tom Milton**, Extension Specialist
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Areas of Expertise: 1,2,3,6

Primary processing, residue utilization, production economics, health and safety, machining

- **Harlan Petersen**, Extension Specialist
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Areas of Expertise: 1,2,4,5

Lumber drying, hardwood lumber grading, machining

- **Tim Smith**, Assistant Professor
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Areas of Expertise: 3

Forest products marketing and sales, e-commerce for the wood industry

- **Anthony Weatherspoon**, Wood Utilization Specialist
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Areas of Expertise: 2,3

Rough mill processing systems, industry location and markets, yields

- **Jim Whipple**, Wood Utilization Specialist
Wisconsin Department of Natural Resources,
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Areas of Expertise: 1,6

Primary processing, saw maintenance, wood residue

UNIVERSITY/STATE – WEST

- **Charlie Brunner**, Associate Professor
Oregon State University, Corvallis
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Areas of Expertise: 2,4

Cut-up optimization, simulation, production control, scanning

- **Dave Cohen**, Associate Professor
University of British Columbia, Vancouver
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Areas of Expertise: 3

Industry competitiveness factors, employee and machinery productivity, primary and secondary markets

- **Terry Brown**, Professor
Oregon State University, Corvallis
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Areas of Expertise: 1,4

Quality control, lumber-size control, primary processing

- **Ivan Eastin**, Associate Professor
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Areas of Expertise: 3

International forest products trade, material substitution between wood and nonwood products

- **James Funck**, Associate Professor
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Areas of Expertise: 4

Scanning and optimization, panel products and lamination, technology feasibility

- **Eric Hansen**, Associate Professor
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Areas of Expertise: 3

Forest products marketing research

- **Chris Jennings**, Extension Specialist
Colorado State Forest Service, Fort Collins
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Areas of Expertise: 1,3

Sawmill processing and sawmill studies, value-added markets

- **Scott Leavengood**, Extension Specialist
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Areas of Expertise: 3,5

Lumber drying, value-added processing markets, processing efficiency

- **Tom Maness**, Professor
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Areas of Expertise: **1,2,4**

Value-added employee training systems,
optimization systems, production control,
technology implementation

- **Mike Milota**, Associate Professor
Oregon State University, Corvallis
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Areas of Expertise: **5**

Lumber drying, dry kilns, VOC emissions

- **John Punches**, Extension Specialist
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Areas of Expertise: **1,2,3,6**

Forest products certification, markets, business
startup, processing systems

- **Jim Reeb**, Extension Specialist
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Areas of Expertise: **1,2,5**

Primary processing, harvesting, merchandising

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